

FIG. 2

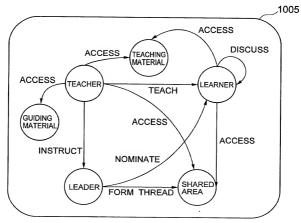


FIG. 3

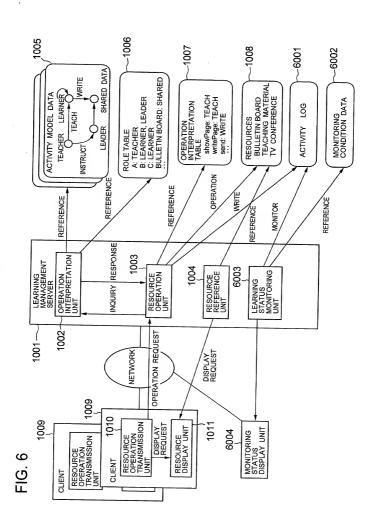
			}
RESOURCE ID	ROLES OF 1ST MODEL	ROLES OF 2ND MODEL	
USER A	LEADER, LEARNER		
USER B	LEARNER		
USER C	LEARNER		
USER D	TEACHER		
BULLETIN BOARD	SHARED AREA		
CHAT BOARD	SHARED AREA		

FIG. 4

		1007
OPERATION PATTERN	BEHAVIOR	OBJECT LIST
WRITE (BOARD, ARTICLE)	WRITE	BOARD
WRITE TO(BOARD, ARTICLE,WHO)	DISCUSS	WHO
GET(MATERIAL)	REFER	LEARNING MATERIAL
:	;	:

FIG. 5

5001 BEHAVIOR NAME SUBJECT OBJECT LIST **TEACH** TEACHER LEARNER **ACCESS TEACHER** LEARNING MATERIAL **ACCESS TEACHER** GUIDING MATERIAL **ACCESS** LEARNER LEARNING MATERIAL **ACCESS TEACHER** SHARED AREA **ACCESS** LEARNER SHARED AREA INSTRUCT **TEACHER** LEADER NOMINATE LEADER LEARNER **DISCUSS** LEARNER LEARNER DISCUSSION LEADER SHARED AREA THREAD CREATION ROLE ALLOCATION LEADER LEARNER TASK DATA



6<u>0</u>01

BEHAVIOR NAME	SUBJECT	OBJECT LIST	COUNT	HISTORY
TEACH	TEACHER	LEARNER	1	USER D TEACHES USER B
ACCESS	TEACHER	LEARNING MATERIAL	10	
ACCESS	TEACHER	GUIDING MATERIAL	5	
ACCESS	LEARNER	LEARNING MATERIAL	120	
ACCESS	TEACHER	SHARED AREA	231	
ACCESS	LEARNER	SHARED AREA		
INSTRUCT	TEACHER	LEADER		
NOMINATE	LEADER	LEARNER		
DISCUSS	LEARNER	LEARNER		
FORM THREAD	LEADER	SHARED AREA		
ROLE ALLOCATION	LEADER	LEARNER TASK DATA		

FIG. 8

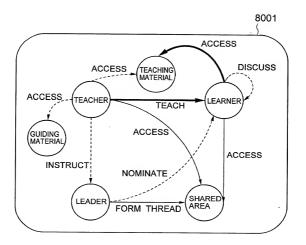


FIG. 9

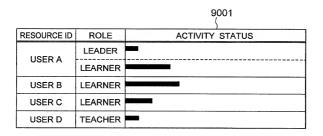
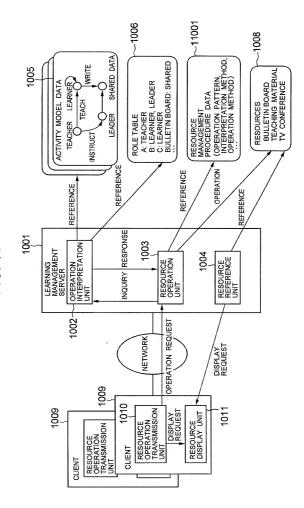


FIG. 10

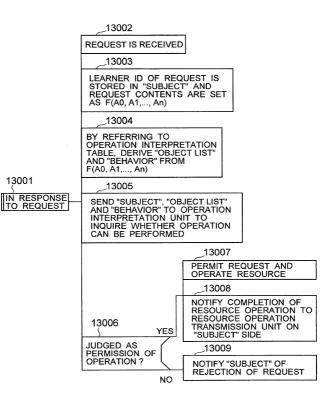
		\\		
RESOURCE ID	ROLE	MONITORING CONDITION		
USER A	LEADER	LAPSE TIME > 48 H & ACTIVITY NUMBER < 10		
USERA	LEARNER			
USER B	LEARNER			
USER C	LEARNER			
USER D	TEACHER			

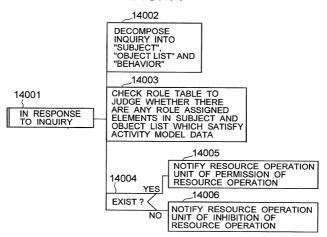
FIG 1

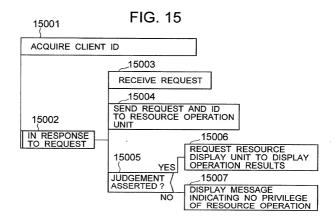


OPERATION PATTERN	INTERPRETATION METHOD	OPERATION METHOD
F(X0, X1,, Xn)	M(X0, X1, ···, Xn)	C(X0, X1, ···, Xn)
:	:	;

FIG. 13







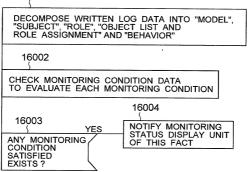


FIG. 17

